

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
 Data File : BF111559.D
 Acq On : 18 Dec 2018 00:35
 Operator : JU/SJ
 Sample : J6403-41
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-A

Manual Integrations
 APPROVED

Sohil
 12/18/2018 12:49:46 PM

Quant Time: Dec 18 07:08:04 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	204640	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	796908	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	256782	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	422405	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	283125	20.00	ng	0.00
87) Perylene-d12	15.39	264	356137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1361847	110.74	ng	0.00
7) Phenol-d6	6.44	99	1748453	106.89	ng	0.00
23) Nitrobenzene-d5	7.35	82	1039225	77.66	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	217844	94.71	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1666980	100.28	ng	-0.01
79) Terphenyl-d14	12.89	244	919106	76.23	ng	0.00
Target Compounds						
10) Phenol	6.45	94	92918	5.099	ng	Qvalue 90
50) Dimethylphthalate	9.54	163	178703	9.663	ng	98
71) Phenanthrene	11.33	178	115150	5.290	ng	# 92
75) Fluoranthene	12.52	202	164969	7.747	ng	97
78) Pyrene	12.75	202	200414	10.040	ng	95
81) Benzo(a)anthracene	13.93	228	85121	5.529	ng	99
83) Chrysene	13.97	228	73644	4.541	ng	97
86) Indeno(1,2,3-cd)pyrene	16.79	276	46395	3.964	ng	# 88
88) Benzo(b)fluoranthene	14.97	252	136587m	6.578	ng	
89) Benzo(k)fluoranthene	14.99	252	43777m	2.207	ng	
90) Benzo(a)pyrene	15.32	252	103971	5.553	ng	99
92) Benzo(a,h,i)perylene	17.22	276	46935	3.237	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

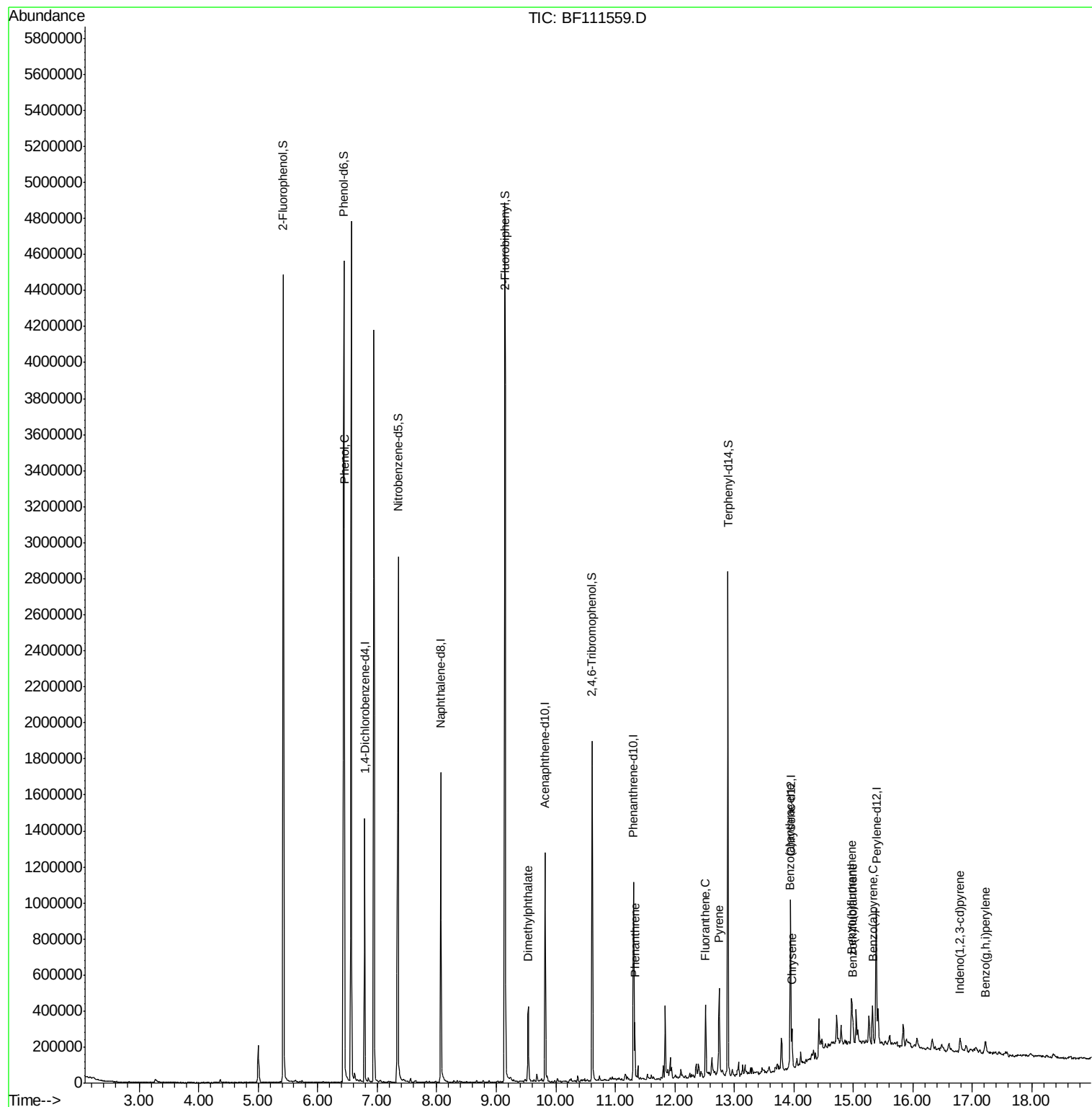
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

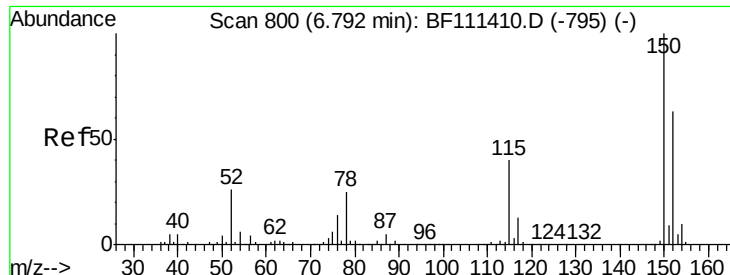
Instrument :
BNA_F
ClientSampled :
TP-6-A

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM

Quant Time: Dec 18 07:08:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration





#1

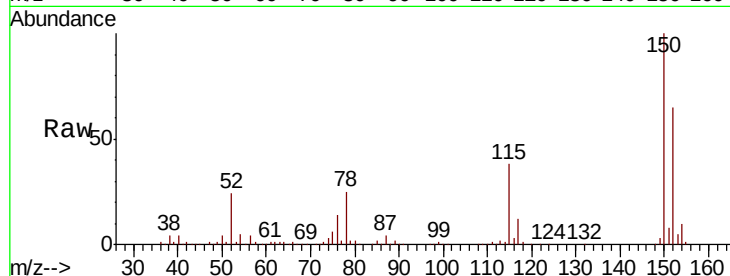
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.6	189.8
115	59.2	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM

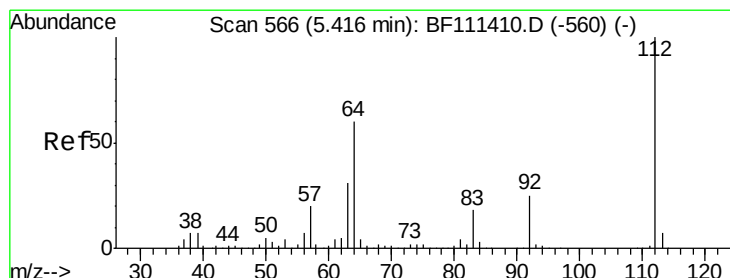
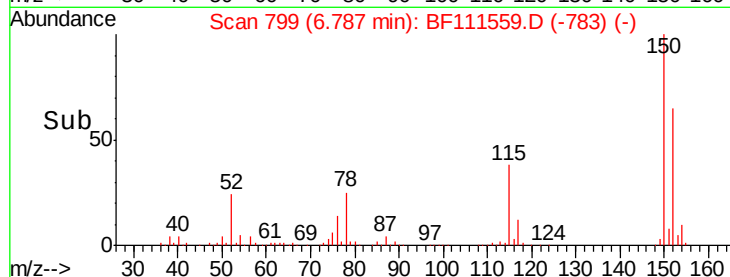
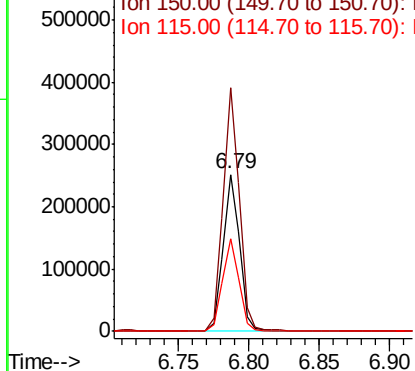


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

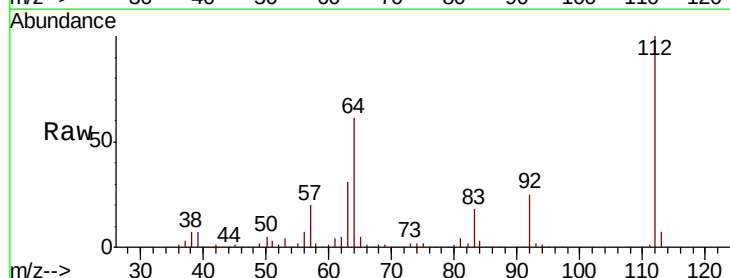
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.741 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	51.8	77.6
63	31.2	26.8	40.2

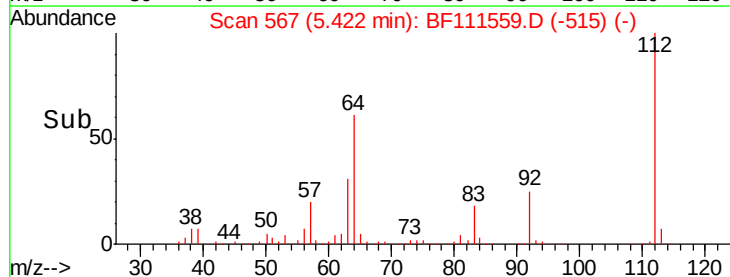
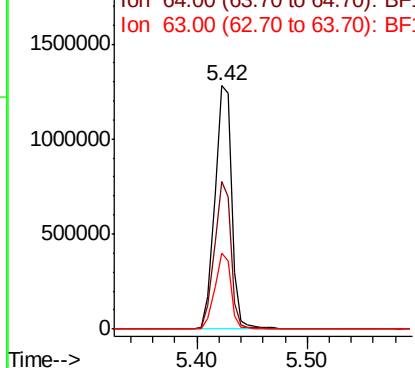


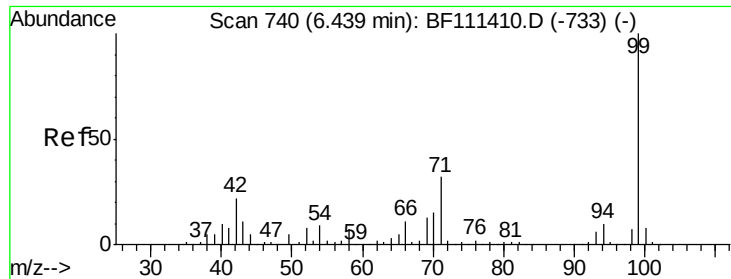
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 106.887 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

ClientSampled :

TP-6-A

Tot Ion: 99 Resp: 1748453

Ion Ratio Lower Upper

99 100

42 19.8 17.4 26.0

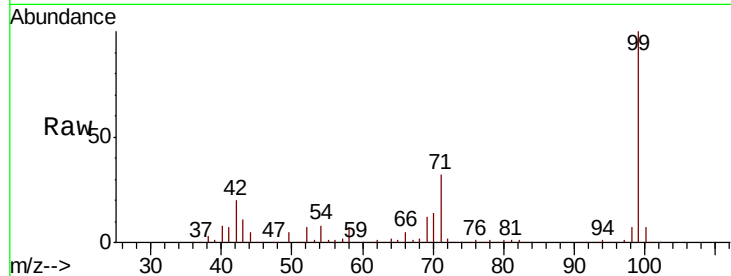
71 31.5 26.1 39.1

Manual Integrations

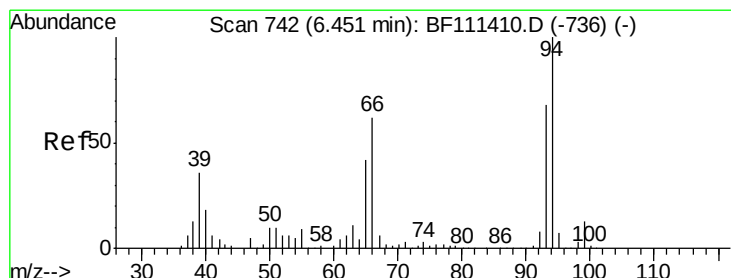
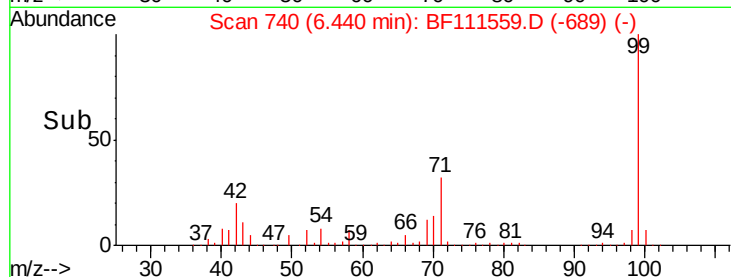
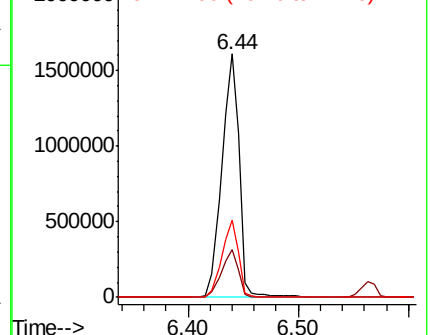
APPROVED

Sohil

12/18/2018 12:49:46 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.099 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

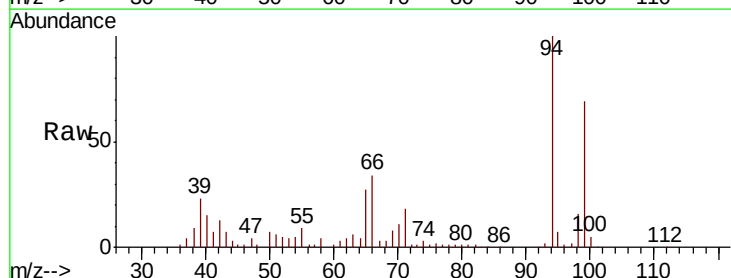
Tgt Ion: 94 Resp: 92918

Ion Ratio Lower Upper

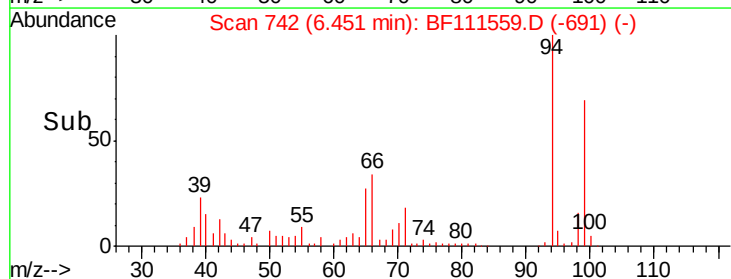
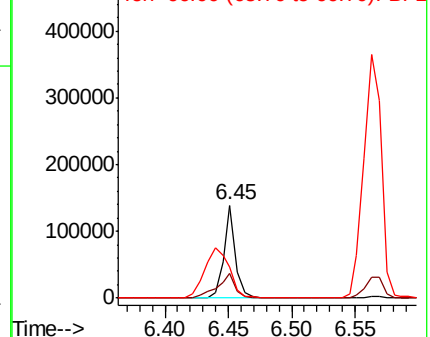
94 100

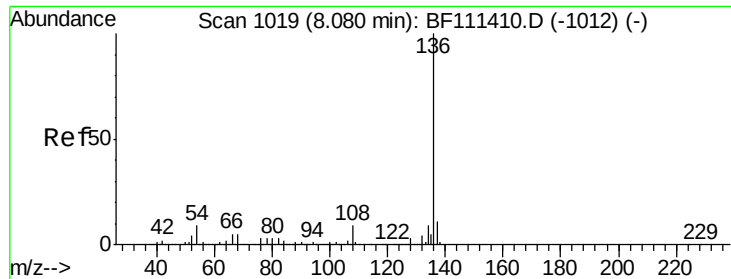
65 26.8 11.7 51.7

66 34.1 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





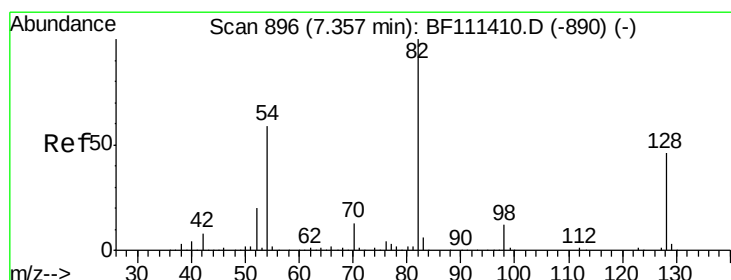
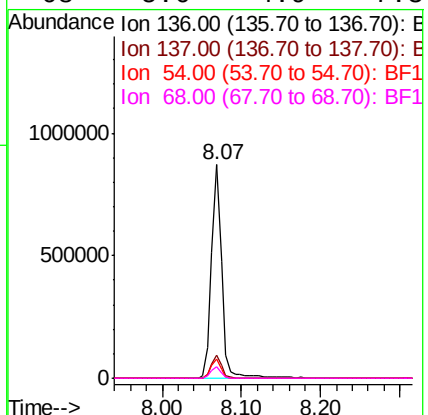
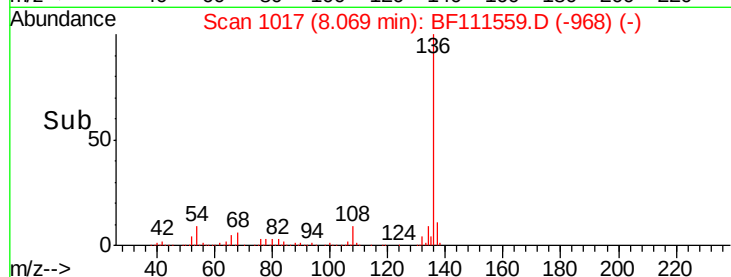
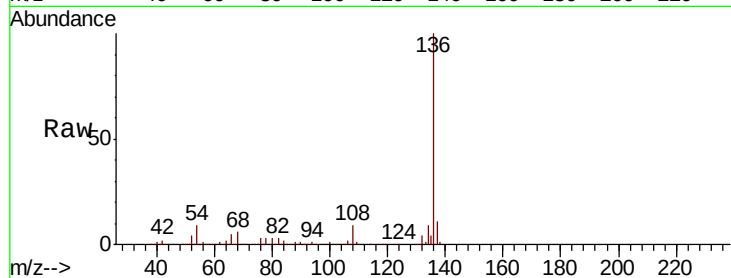
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampled :
TP-6-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100	796908		
137	10.8		9.1	13.7
54	9.0		7.7	11.5
68	5.6		4.9	7.3

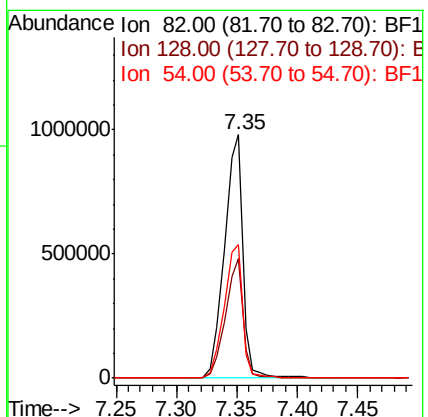
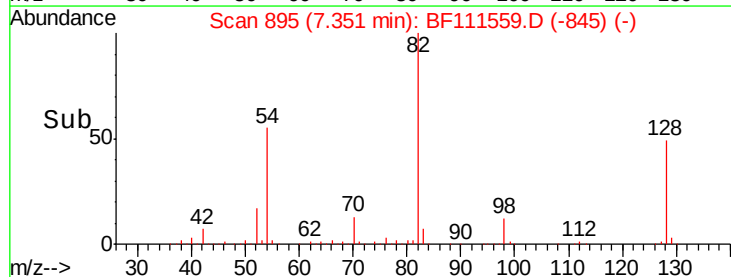
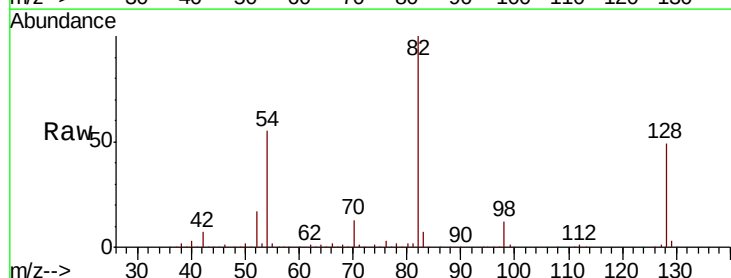
Manual Integrations
APPROVED

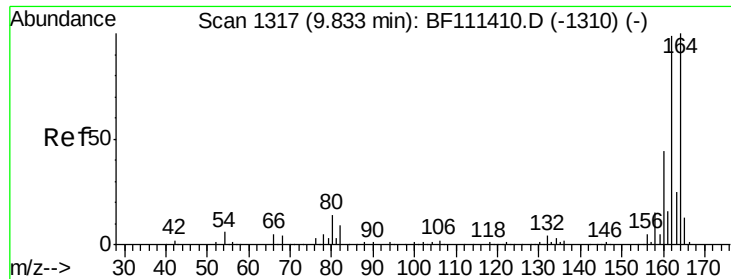
Sohil
12/18/2018 12:49:46 PM



#23
Nitrobenzene-d5
Concen: 77.656 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1039225		
128	49.1		37.4	56.2
54	54.6		47.6	71.4





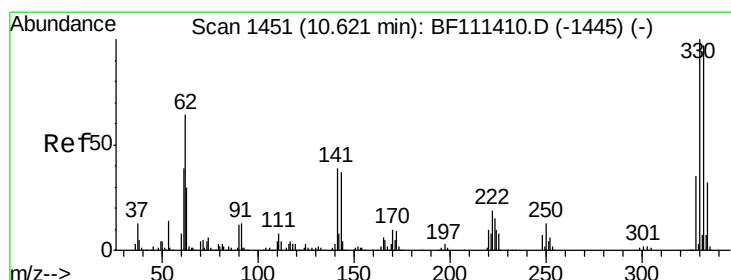
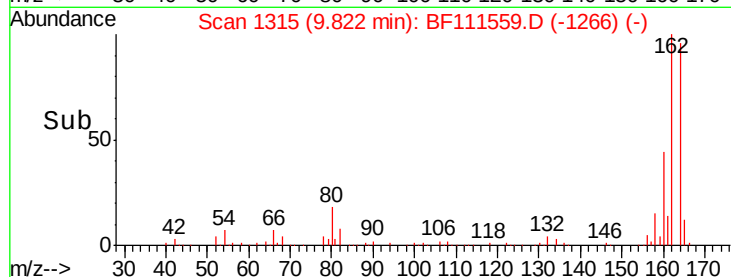
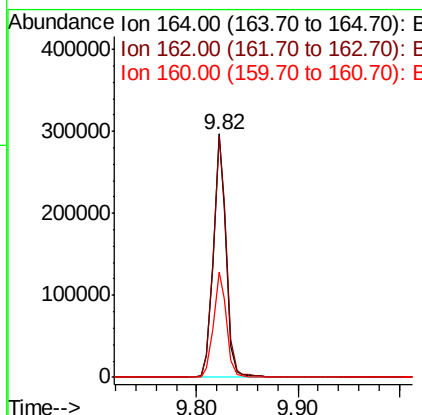
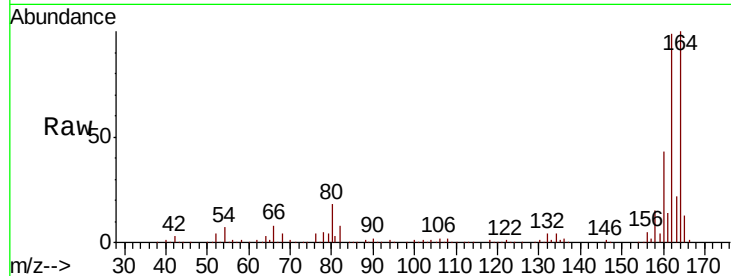
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampled :
TP-6-A

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.4	122.0
160	43.1	35.7	53.5

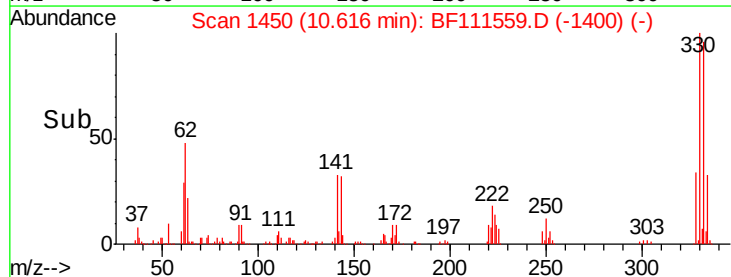
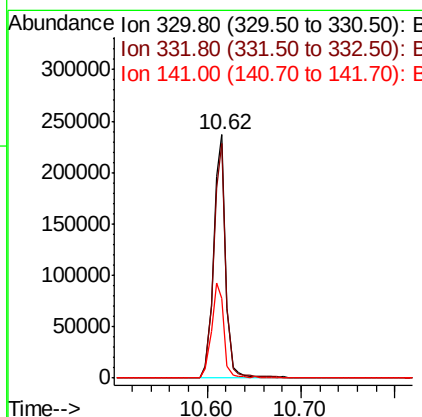
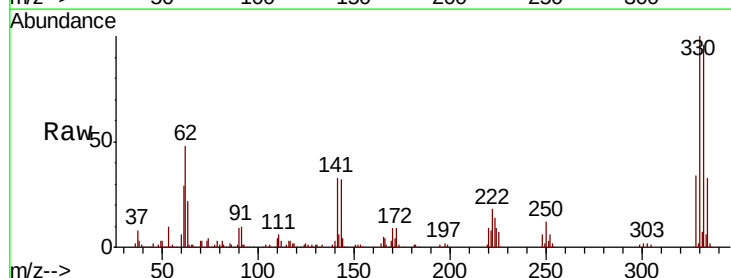
Manual Integrations
APPROVED

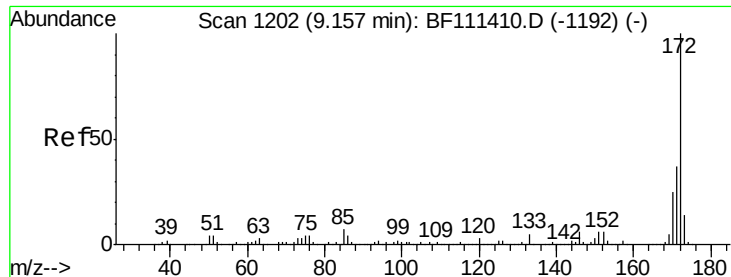
Sohil
12/18/2018 12:49:46 PM



#42
2,4,6-Tribromophenol
Concen: 94.706 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	40.3	31.0	46.6





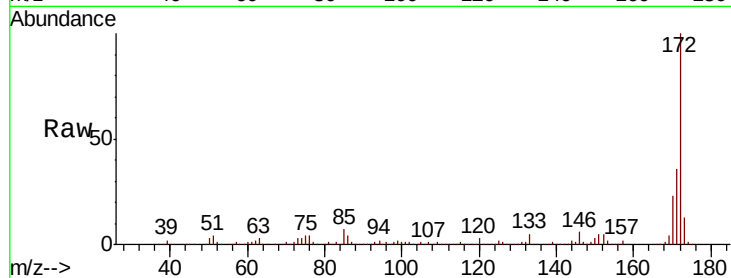
#45
2-Fluorobiphenyl
Concen: 100.275 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	33.0	49.4
170	23.5	22.3	33.5

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM

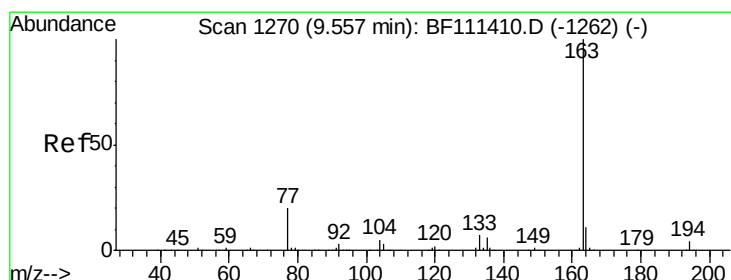
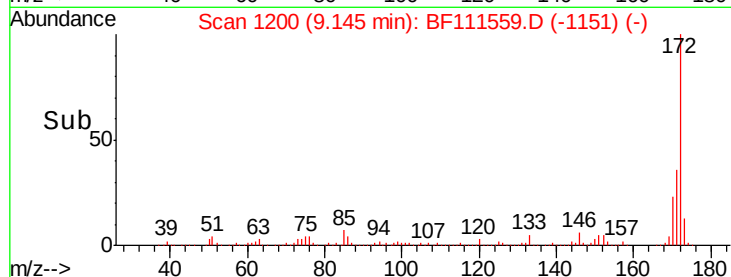
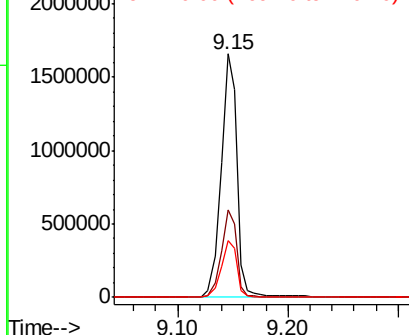


Abundance

Ion 172.00 (171.70 to 172.70): E

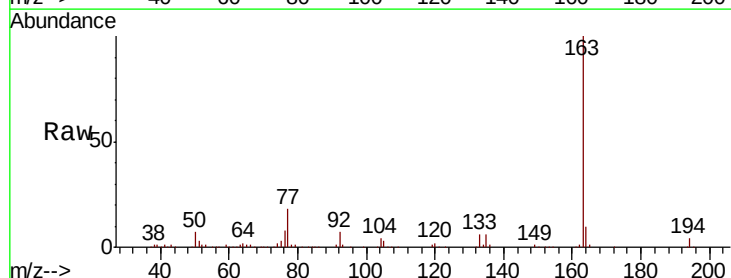
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.663 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.6
164	10.3	8.9	13.3

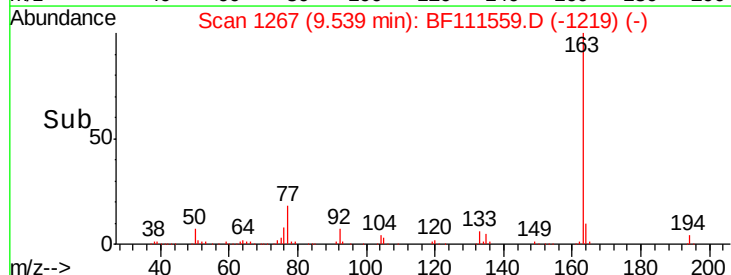
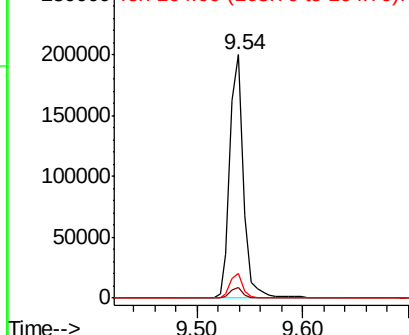


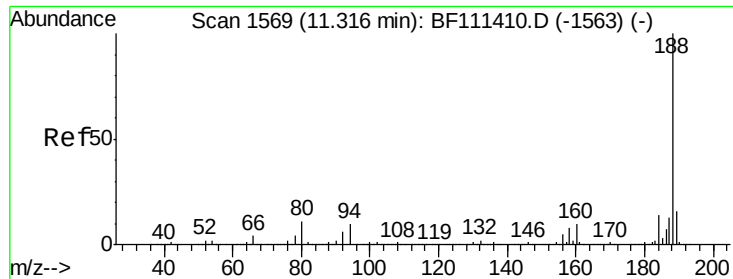
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





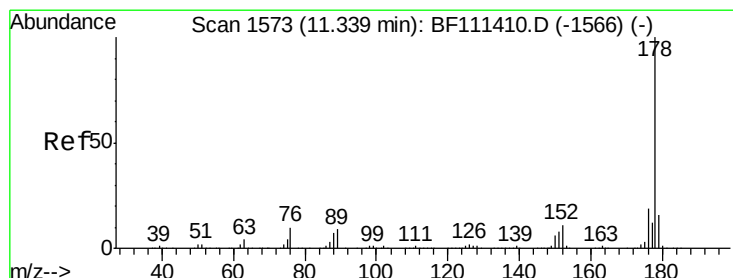
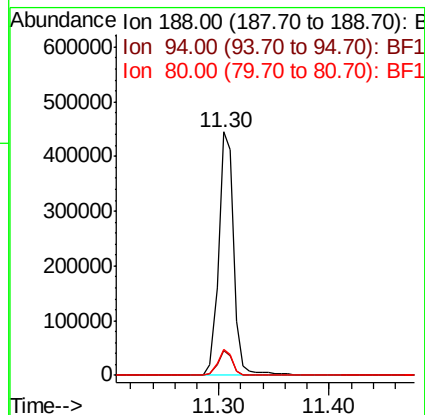
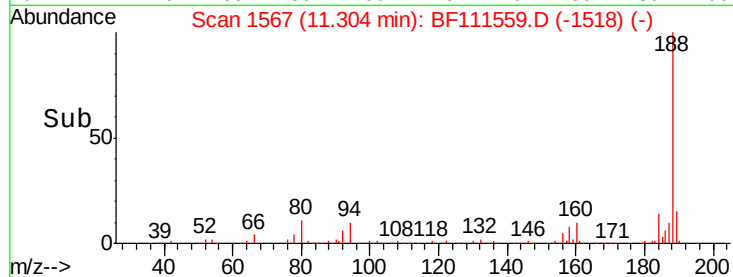
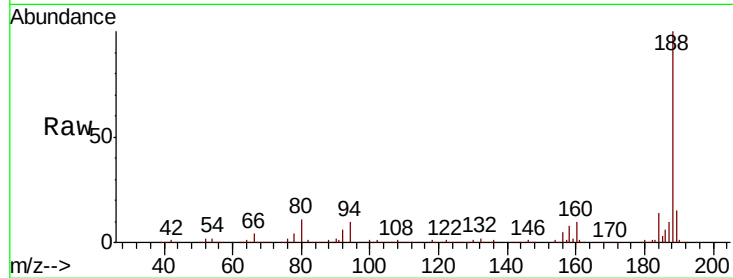
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampled :
TP-6-A

Tot Ion	Ratio	Resp	Lower	Upper
188	100	422405		
94	10.0		9.6	14.4
80	10.6		9.8	14.6

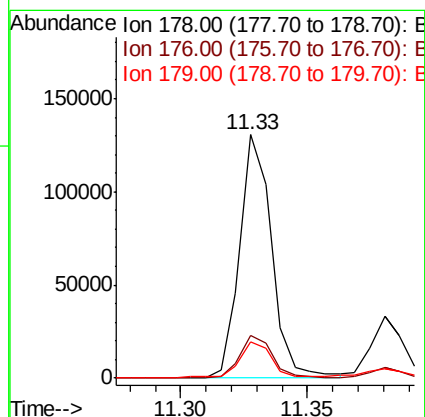
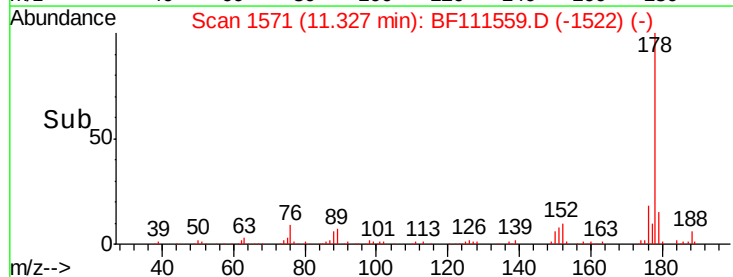
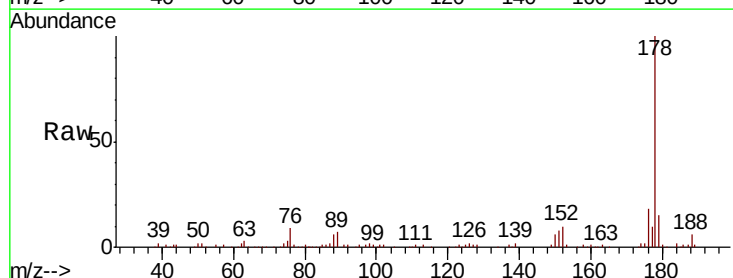
Manual Integrations
APPROVED

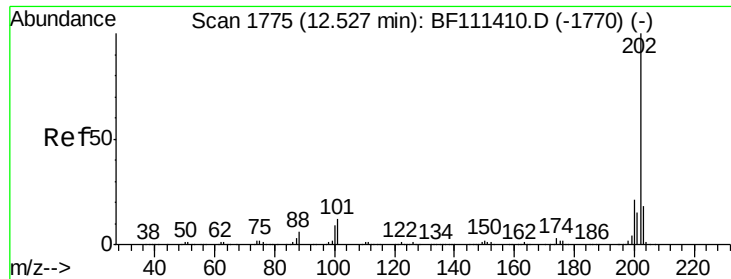
Sohil
12/18/2018 12:49:46 PM



#71
Phenanthrene
Concen: 5.290 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	115150		
176	17.7		18.1	27.1#
179	14.9		14.0	21.0





#75

Fluoranthene

Concen: 7.747 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

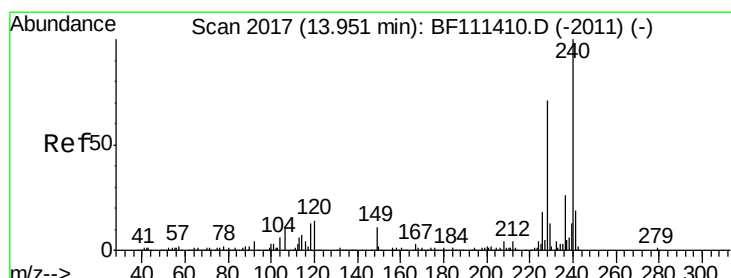
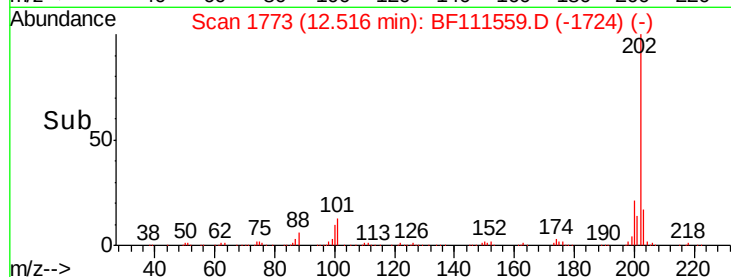
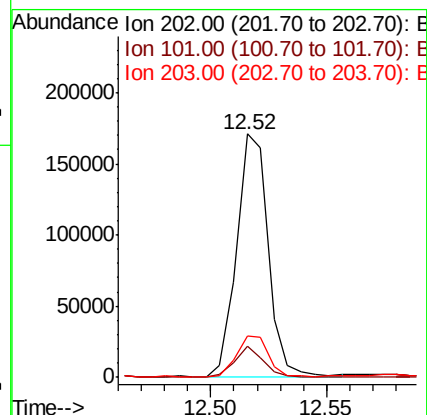
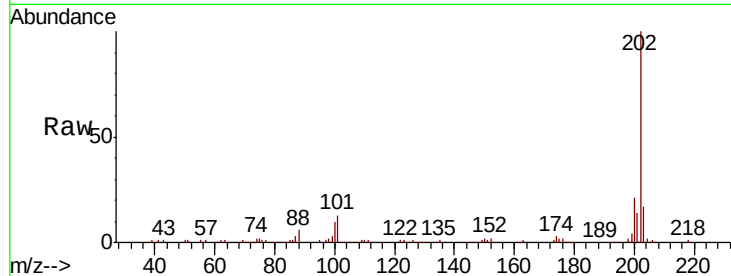
ClientSampleId :

TP-6-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	164969		
101	12.6	0.0	33.8	
203	17.1	0.0	38.6	

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM



#76

Chrysene-d12

Concen: 20.000 ng

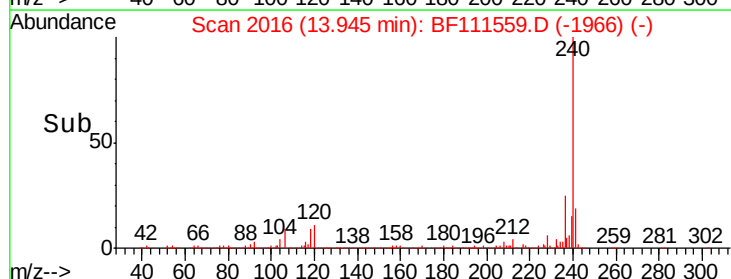
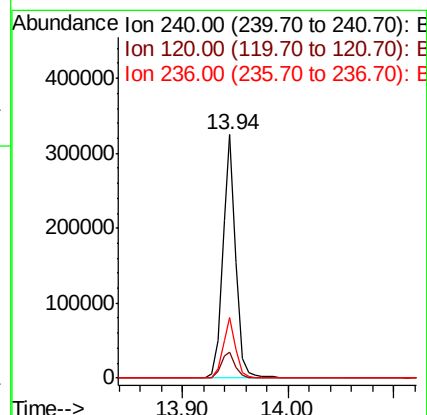
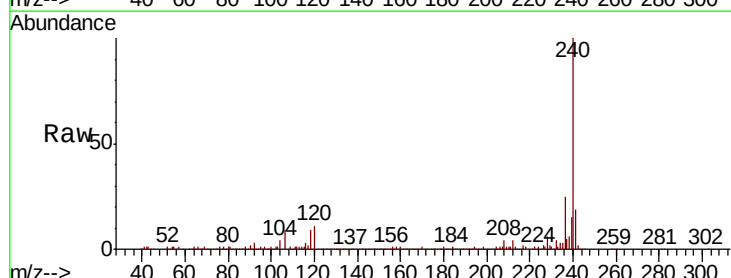
RT: 13.94 min Scan# 2016

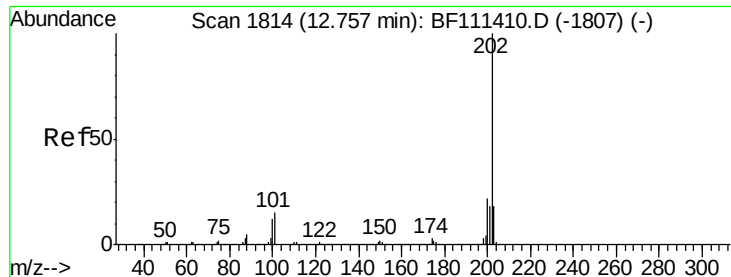
Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	283125		
120	10.6	12.2	18.2#	
236	24.9	20.2	30.2	





#78

Pvrene

Concen: 10.040 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Instrument :

BNA_F

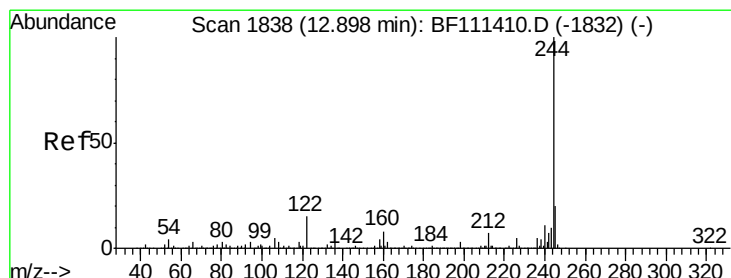
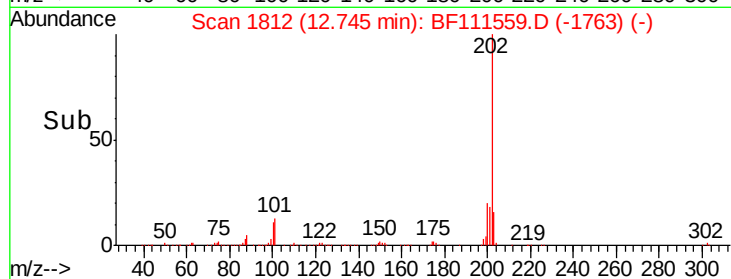
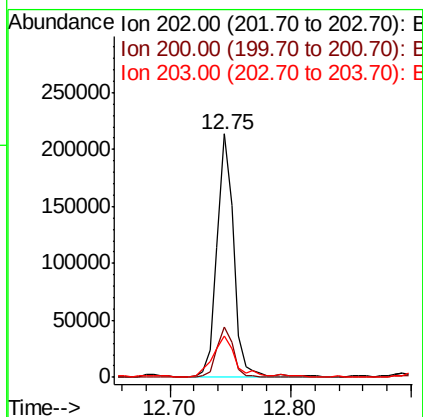
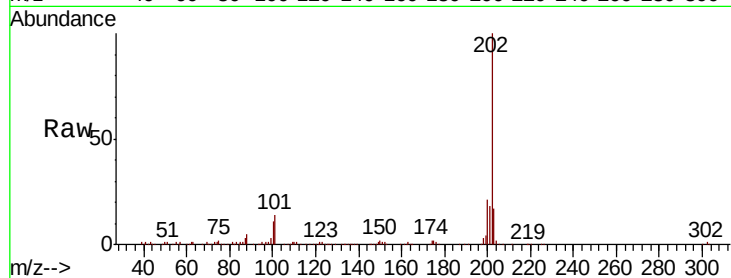
ClientSampleId :

TP-6-A

Tot Ion:	202	Resp:	200414
Ion Ratio	Lower	Upper	
202	100		
200	20.5	19.0	28.4
203	17.2	15.2	22.8

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM



#79

Terphenyl-d14

Concen: 76.231 ng

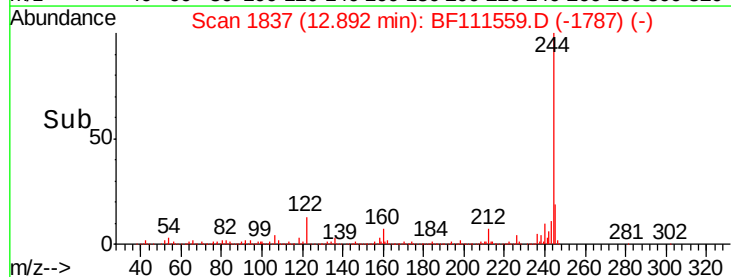
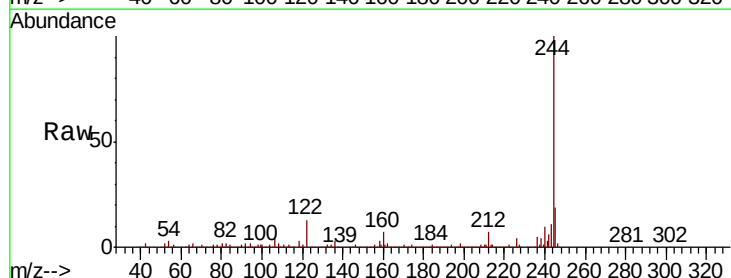
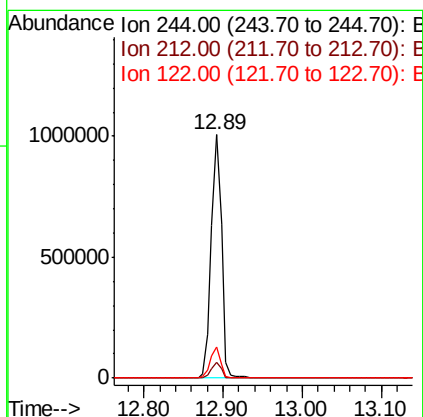
RT: 12.89 min Scan# 1837

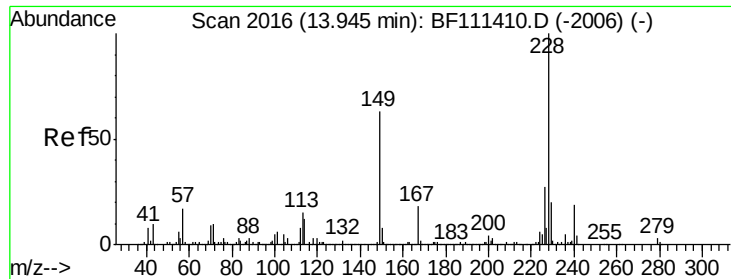
Delta R.T. -0.01 min

Lab File: BF111559.D

Acq: 18 Dec 2018 00:35

Tgt Ion:	244	Resp:	919106
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	12.8	13.1	19.7#





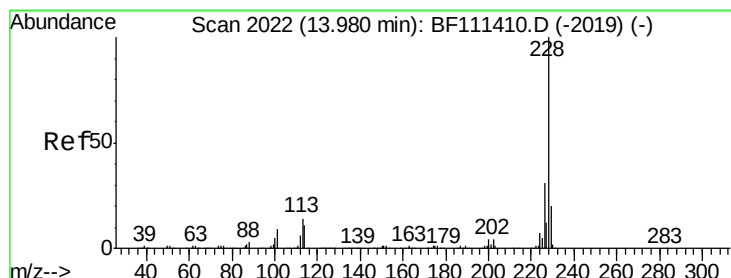
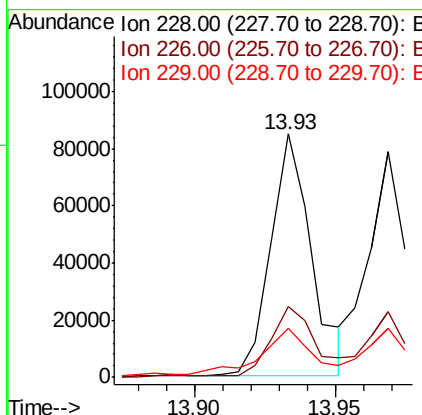
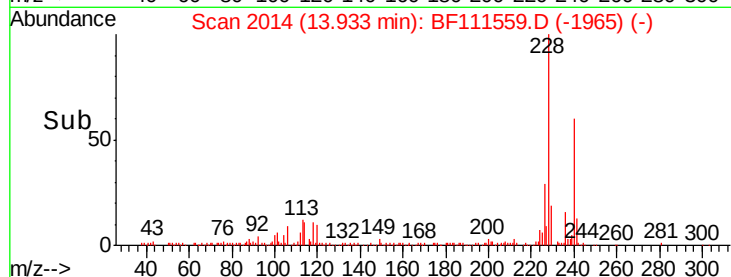
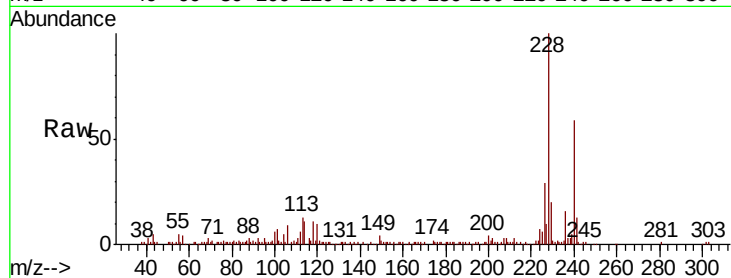
#81
Benzo(a)anthracene
Concen: 5.529 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	34.0
229	20.4	16.3	24.5

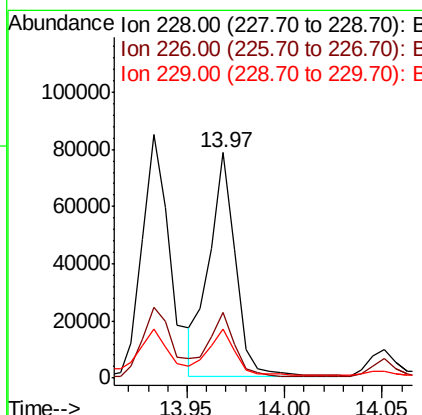
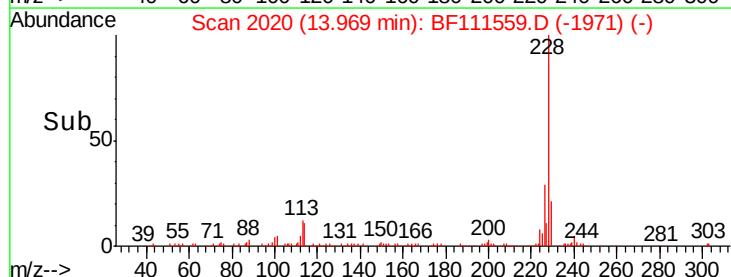
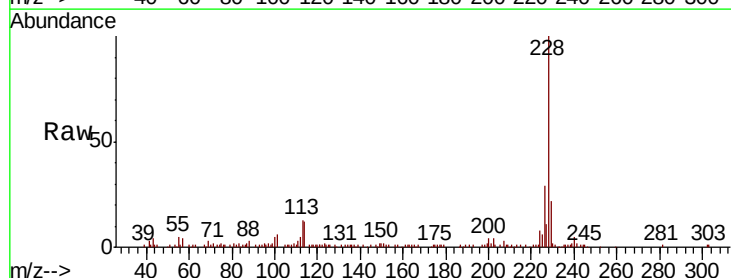
Manual Integrations
APPROVED

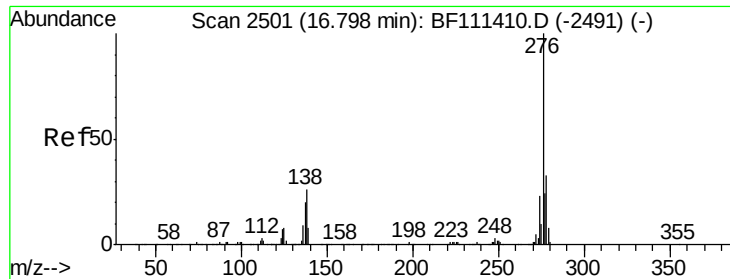
Sohil
12/18/2018 12:49:46 PM



#83
Chrysene
Concen: 4.541 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.3	37.9
229	22.0	17.2	25.8





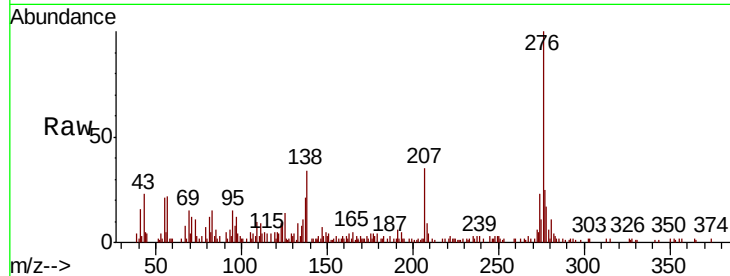
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.964 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	27.8	41.6#
277	28.9	20.1	30.1

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM

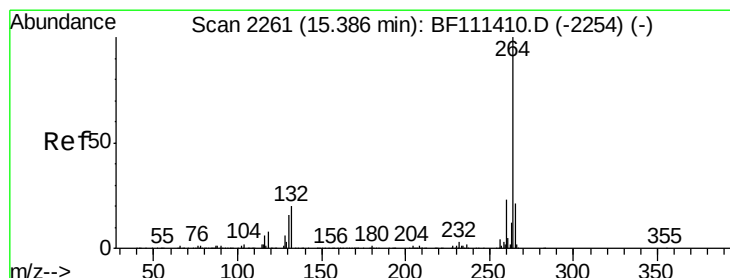
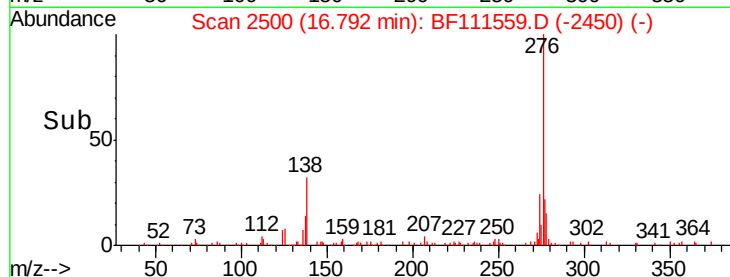
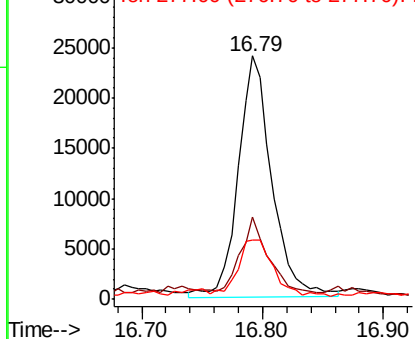


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

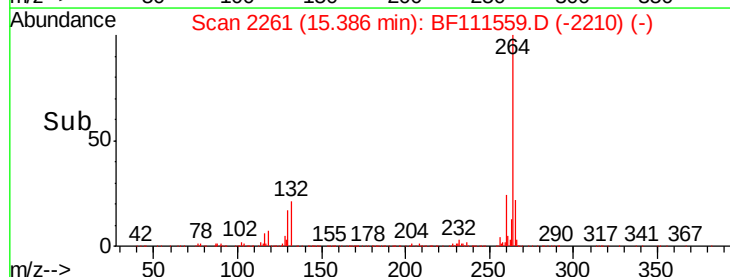
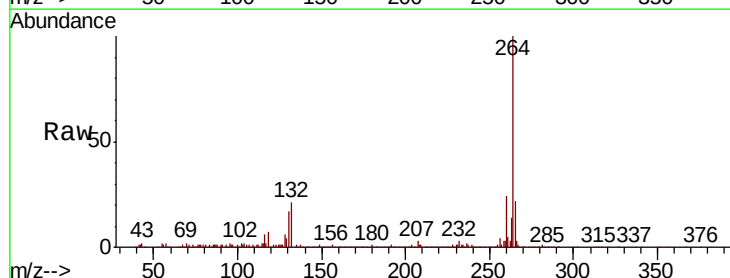
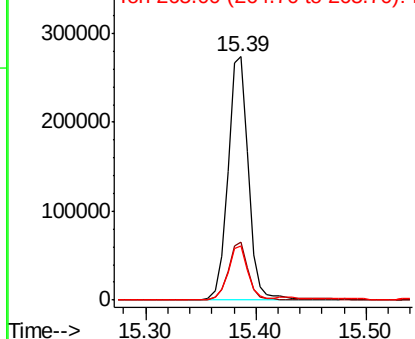
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	22.5	17.7	26.5

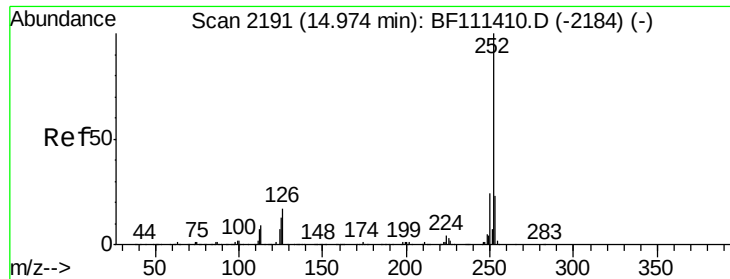
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





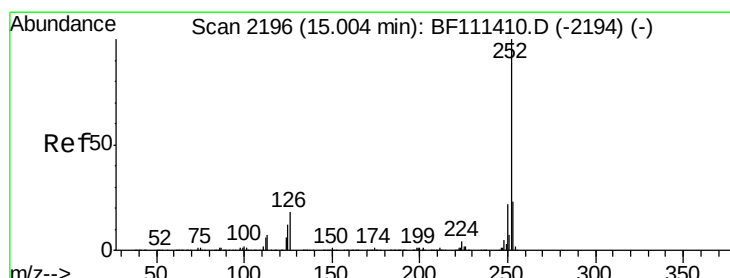
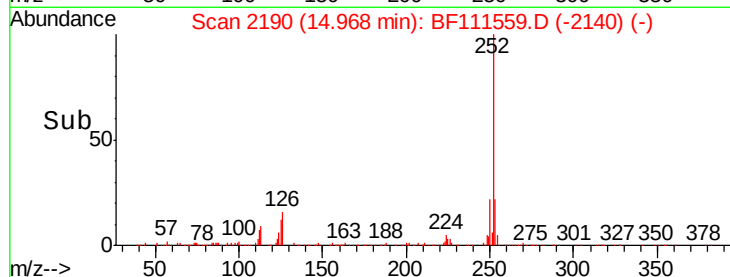
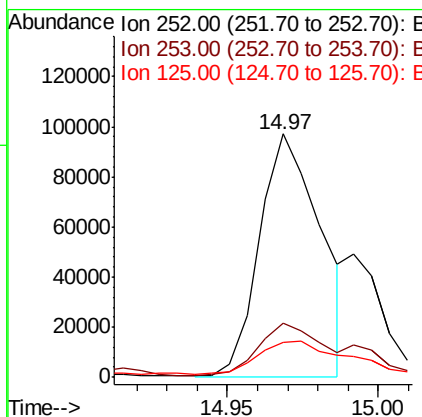
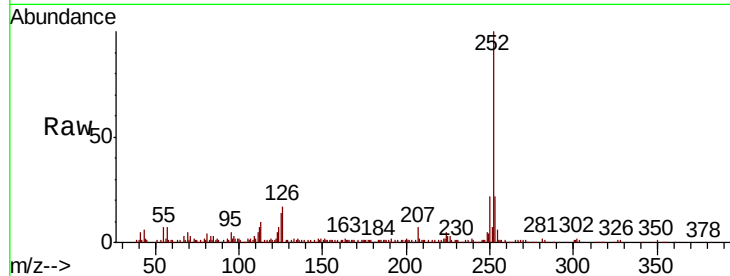
#88
Benzo(b)fluoranthene
Concen: 6.578 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampled :
TP-6-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	14.1	10.4	15.6

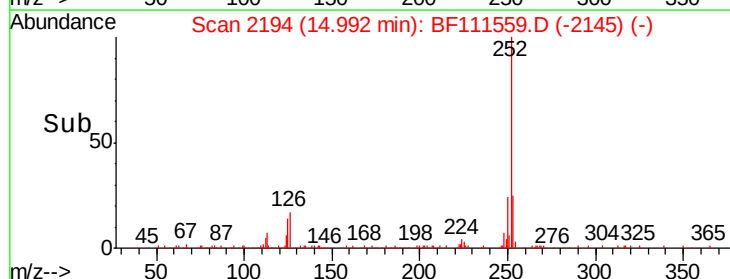
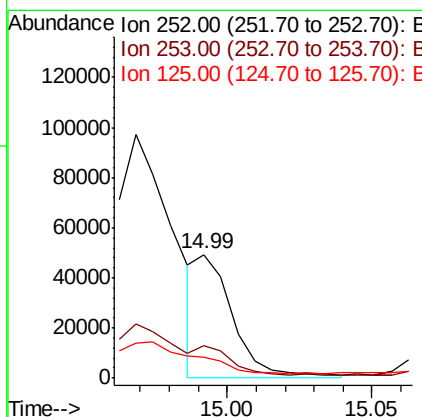
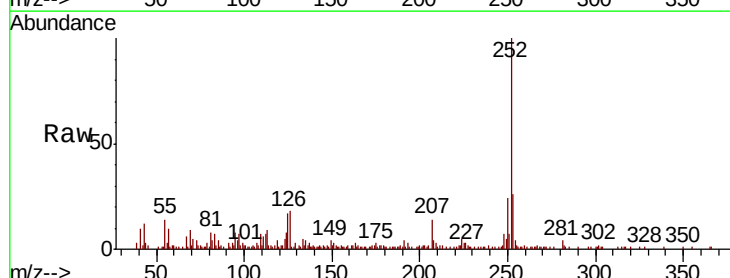
Manual Integrations
APPROVED

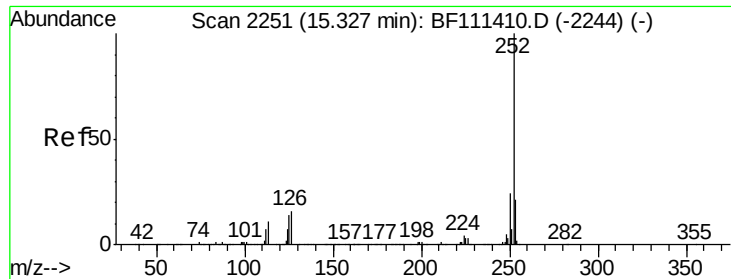
Sohil
12/18/2018 12:49:46 PM



#89
Benzo(k)fluoranthene
Concen: 2.207 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.1	27.1
125	17.0	9.8	14.8#





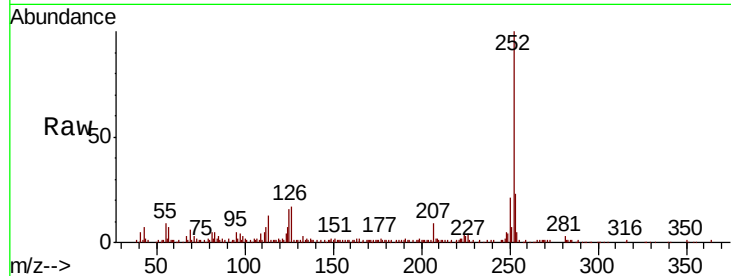
#90
Benzo(a)pyrene
Concen: 5.553 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Instrument :
BNA_F
ClientSampleId :
TP-6-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	15.5	12.3	18.5

Manual Integrations
APPROVED

Sohil
12/18/2018 12:49:46 PM

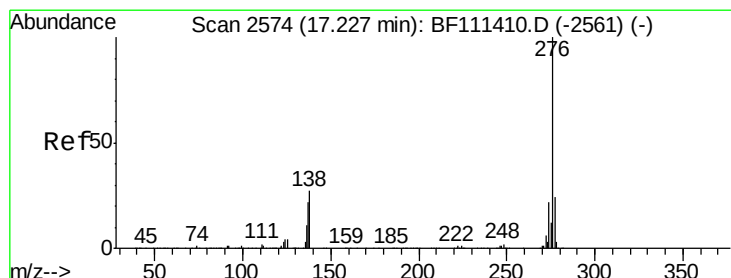
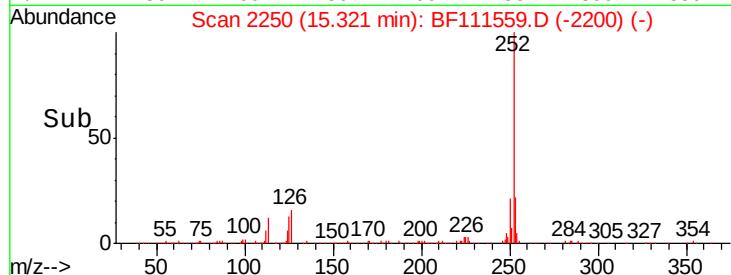
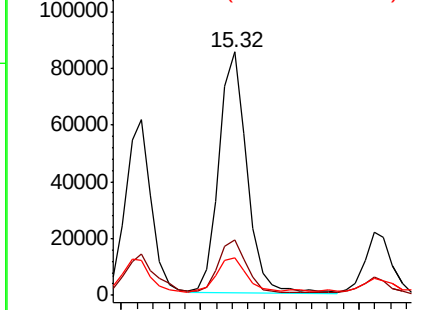


Abundance

Ion 252.00 (251.70 to 252.70): E

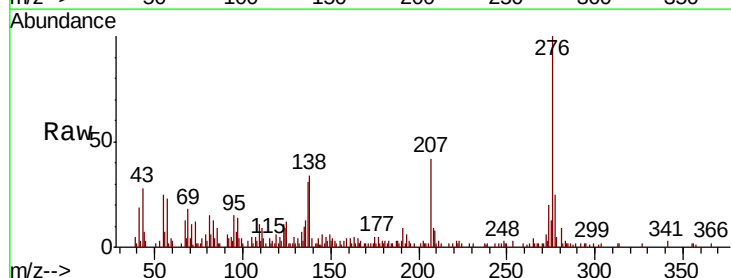
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.237 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BF111559.D
Acq: 18 Dec 2018 00:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.2	28.8
138	34.0	24.9	37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

